

Methods and Apparatus for Embedding and Format Conversion of  
Compressed Video Data

ABSTRACT OF THE DISCLOSURE

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5 The present invention relates to systems and methods for embedding and/or format  
conversion of compressed video data to match the available video decoding capability of a  
target decoder. The present invention also allows video content embedding of one or more  
compressed video data in another compressed bitstream to better use available channel  
bandwidth between a video content supplier and a target decoder. Embedding may be further  
10 advantageous for target digital receiver/decoders having multiple format decompression  
capabilities. This may allow target digital receiver/decoders having multiple format  
decompression capabilities to decompress the multiple compressed video bitstreams  
simultaneously. The present invention may also include format conversion of the video  
content based on the available video decoding capability of a target decoder. Format  
15 conversion allows flexible transmission of video content even when the original format and  
available decompression capability are mismatched.

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